This is to verify that **Marcel Ray Duriez** has completed the course **Advanced Diploma in Sustainable Architecture** on Alison.

Marcel Ray Duriez

Alison ID: 5952157

Course Completed: Advanced Diploma in Sustainable Architecture

Date Of Completion: 28th April 2025

Email ID: duriez19@gmail.com

Total Study Time: 1h 16m

Scan To Verify

Final Assessment Score:
Alison courses requires at least 80% to pass the final assessment

82%

CPD Hours Completed:
CPD approved learning hours completed through this course

1-2h

Course Information

This free online course offers an advanced diploma in sustainable architecture, explains what sustainable architecture means and how sustainable structures are designed and created. The sustainable design course begins by discussing the concept of sustainable development and how it relates to sustainable architecture. The various aspects of sustainable architecture such as the socio-economic and environmental aspects are explored in detail.

The sustainable architecture course then examines the tools for understanding the response of a building to a given climatic context, the sustainable design strategies and construction strategies to be employed, including water and other materials and resources for sustainable architecture and management of solid waste. This is followed by a study of the various criteria set for energy efficiency in buildings and indoor air quality.

Finally, the discussion turns towards the available technologies and tools that aid in sustainable design and energy efficient buildings. The course covers in detail, how to create a building model using a design builder software, including how to input various parameters into the whole building simulation software and how to understand the output of the simulation for assessing the Whole Building Performance of the model.

This sustainable design course will help you to understand the basic issues and concerns for sustainable architecture and strategies and technologies to deliver them. Although largely addressed towards undergraduate students, all others who want to learn about sustainable and green building concepts and who are planning to go ahead in the field of green buildings design and implementation will greatly benefit from this course.

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Modules Studied

Module 1: Sustainable Development

Module 2: Environmental Impact of Development

Module 3: Sustainable Building

Module 4: Climatic Considerations and Comfort

Module 5: Sustainable Sites

Module 6: Water Conservation

Module 7: Advanced Diploma in Sustainable Architecture - First Assessment

Module 8: Materials and Resources

Module 9: Energy Efficiency

Module 10: Indoor Environmental Quality

Module 11: Vernacular Architecture and Regulatory Requirements

Module 12: Whole Building Simulation: Base Case

Module 13: Whole Building Performance

Module 14: Advanced Diploma in Sustainable Architecture - Second Assessment

Module 15: Course assessment

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